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## DEPARTMENT OF REGISTRATION AND EDUCATION

FEB 8 1958

VERA M. BINKS, Director

## LOCAL CLIMATOLOGICAL DATA

MONMOUTH  
1901-1954Data Compiled From  
Official U. S. Weather Bureau Records  
By

ILLINOIS STATE WATER SURVEY DIVISION

A. M. BUSWELL, Chief

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LOCAL CLIMATOLOGICAL  
DATA FOR MONMOUTH, IL.  
1901-1954

## NARRATIVE CLIMATOLOGICAL SUMMARY

Monmouth has a temperate continental climate with a wide annual range in temperature. Summers are usually hot and humid with 65 percent of the annual precipitation occurring in the warmer half year (April - September). A characteristic winter has occasional severe cold periods, and tends to be somewhat colder than winters in East Central and Southern Illinois. Average snowfall of 26.0 inches furnishes approximately 20 per cent of the total precipitation during the colder half year (October - March).

Maximum temperatures of 90° or higher have occurred as frequently as 68 days in one year (1936). Temperatures of 0° or lower have been observed in every year except 1931, with a maximum yearly occurrence of 30 days in 1936.

Annual precipitation of 35.59 inches at Monmouth is less than the annual precipitation at Urbana and Mt. Vernon, typical East Central and Southern Illinois stations. However Monmouth's annual precipitation is 0.06 inches greater than that of Rockford. The warmer half-year average precipitation at Monmouth is 0.5 inch greater than Mt. Vernon's and Rockford's average precipitation for this 6 month period, and is

1.5 inches greater than the warmer half-year average for Urban\*.

Agriculturally, the area reflects the economic and physical factors influencing it. The climate and geology, primarily the topography and derived soil types, have been among the leading aspects of the physical factors affecting the area. Geologically, Monmouth lies in the Galesburg Plain area which has a gently undulating glacial drift surface underlain by a rather high bedrock surface.

During the average growing season of 174 days, climatic conditions are favorable for many forms of agriculture in the area with over 65 per cent of the annual precipitation occurring during the growing season. For the amount of normal precipitation in the agriculturally critical months of June through September, Monmouth ranks above Rockford (Northern Illinois), Urbana (East Central Illinois), and Mt. Vernon (Southern Illinois).

The area's commercial agricultural economy is a combination of cash grain and livestock marketing. SAC.

1955

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# MEANS AND EXTREMES

Month	Temperature							Precipitation										Mean Number of Days												(A)								
	Normal Daily Maximum	Normal Daily Minimum	Normal Monthly	Record High	Year	Record Low	Year	Normal Degree Days	Normal Total	Maximum Monthly	Year	Minimum Monthly	Year	Maximum in 24 Hours	Year	Snow, Sleet Hail			Temperature				Precipitation 1.01 or more	Precipitation .25 or more	Precipitation 1.00 or more Thunder	Hail	Sleet	Fog	High Winds		Clear	Month						
																Mean Total	Maximum Monthly	Year	Maximum	Minimum	Precipitation 1.01 or more	Precipitation .25 or more											Precipitation 1.00 or more Thunder	Hail	Sleet	Fog	High Winds	Clear
(A)	b	b	b	53		53		(b)	(b)	53		53		53		53	53	53	53	53	53	53	53	53	17	49	46	41	30	29	(A)							
J	33.0	15.7	24.4	73	1906	-22	1924x	1262	1.82	5.41	1916	0.04	1919	2.30	1938	6.9	21.1	1930	0	14	29	1	8	2							J							
F	36.2	18.5	27.4	73	1921	-27	1905	1069	1.56	3.51	1911	0.14	1917	1.52	1953	6.0	18.0	1944	0	10	25	1	7	2							F							
M	49.1	29.0	39.1	88	1910x	-9	1913	811	2.71	5.51	1945	0.38	1918	2.65	1948	4.6	18.0	1912	0	3	20	0	10	4							M							
A	62.1	39.4	50.8	93	1930	13	1920	442	3.27	8.24	1950	1.00	1932	3.11	1950	1.4	9.0	1912	1	0	0	0	10	5							A							
M	73.4	50.1	61.8	102	1934	26	1903	171	3.92	11.29	1908	1.22	1934	2.76	1941	T	0.3	1944	7	0	0	0	12	5							M							
J	82.5	59.7	71.1	104	1934	33	1903	29	5.04	13.97	1902	1.03	1936	5.76	1946	T	0	x													J							
J	87.8	63.6	75.7	110	1936	45	1947x	2	3.78	11.66	1929	0.05	1913	6.53	1929	0	T	x	12	0	0	0	8	4							J							
A	85.7	61.6	73.7	105	1936x	38	1915	9	3.07	8.80	1902	0.37	1901x	3.03	1903	0	T	x	9	0	0	0	8	3							A							
S	78.1	54.2	66.2	103	1913	26	1942	94	4.03	20.03	1911	0.14	1940	4.48	1911	0	1.1	1942	4	0	0	0	8	4							S							
O	66.4	43.0	54.7	92	1953x	7	1925	343	2.52	14.75	1941	0.36	1904	4.14	1927	0.1	3.2	1929	*	2	5	0	8	3							O							
N	49.7	30.6	40.2	82	1933	-3	1950	756	2.26	7.36	1934	0.02	1917	2.40	1928	1.6	11.1	1926	0	2	17	*	7	3							N							
D	36.1	19.9	28.0	68	1951x	-22	1924	1150	1.61	3.88	1909	0.28	1919	1.91	1909	5.4	16.5	1914	0	11	27	1	7	2							D							
Year	61.7	40.4	51.1	110	July 1936	-27	Feb. 1905	6138	35.59	20.03	Sept. 1911	0.02	Nov. 1917	6.53	July 1929	26.0	21.1	Jan. 1930	33+	40+	131+	3+	103	42							Year							

(A) Length of Record in years

(b) Normal values are based on period 1901-1953.

x Occurred in more than one year.

\* Occurs during occasional years.

## MONTHLY AND SEASONAL DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1900-1901	-	-	-	-	-	-	1195	1345	901	500	167	30	M
1901-1902	0	1	124	315	881	1327	1304	1338	794	492	103	79	6758
1902-1903	8	22	177	346	586	1298	1298	1190	694	428	128	73	6248
1903-1904	0	14	113	389	891	1368	1529	1356	887	593	145	15	7300
1904-1905	5	11	73	395	739	1216	1514	1385	652	421	135	8	6554
1905-1906	11	0	34	412	769	1121	1144	1080	1108	324	145	18	6166
1906-1907	2	4	30	393	832	1107	1212	1029	632	600	287	33	6161
1907-1908	0	4	108	404	776	1020	1165	1104	698	371	162	34	5846
1908-1909	1	8	67	377	680	1090	1232	936	861	480	180	4	5916
1909-1910	12	2	108	450	493	1433	1286	1157	441	359	248	54	6043
1910-1911	0	7	34	259	897	1211	1199	944	732	505	91	0	5879
1911-1912	4	6	42	448	969	895	1690	1289	1138	401	100	40	7022
1912-1913	1	29	151	272	695	973	1180	1148	934	393	157	48	5981
1913-1914	0	0	116	423	498	884	997	1258	848	418	132	11	5585
1914-1915	0	0	69	262	628	1382	1396	860	970	236	224	33	6060
1915-1916	9	56	74	310	647	1146	1184	1180	822	445	162	60	6095
1916-1917	0	9	159	379	706	1221	1280	1247	803	556	310	56	6726
1917-1918	6	7	96	647	370	1405	1703	1039	598	556	88	10	M
1918-1919	1	1	183	232	688	899	1142	955	721	385	236	4	5447
1919-1920	0	2	35	344	832	1394	1402	1076	738	599	174	18	6614
1920-1921	0	13	42	205	813	1075	1043	858	544	353	152	15	5113
1921-1922	0	7	36	311	811	1051	1306	994	769	395	60	17	5757
1922-1923	0	7	68	275	653	1130	1063	1173	977	445	176	30	5997
1923-1924	0	15	81	487	709	859	1457	1086	967	355	287	47	6350
1924-1925	13	6	172	192	711	1379	1313	916	713	238	275	9	5937
1925-1926	6	4	43	692	841	1302	1204	912	1020	618	122	42	6806
1926-1927	4	0	117	394	886	1212	1293	836	698	422	213	51	6126
1927-1928	1	29	105	256	681	1233	1184	957	769	534	107	56	5912

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1928-1929	2	6	183	307	729	1039	1517	1261	651	407	252	47	6401
1929-1930	1	12	120	386	898	1159	1550	780	815	365	157	30	6213
1930-1931	4	0	64	458	716	1134	1055	808	927	434	271	35	5906
1931-1932	0	4	51	257	535	902	1053	892	1082	439	99	0	5314
1932-1933	1	2	88	394	890	1189	900	1091	795	441	143	11	5945
1933-1934	0	4	30	395	753	1050	1034	1127	927	394	56	0	5770
1934-1935	0	25	118	246	600	1238	1243	947	666	526	308	63	5980
1935-1936	0	26	95	347	823	1319	1540	1500	707	511	53	14	6935
1936-1937	0	0	74	352	804	997	1346	1105	898	464	134	25	6199
1937-1938	0	0	111	423	852	1232	1256	843	552	409	197	19	5894
1938-1939	0	0	75	211	688	1131	1043	1071	754	517	103	22	5615
1939-1940	3	0	56	323	722	962	1661	1098	956	470	199	5	6455
1940-1941	1	21	93	210	833	1029	1162	1112	933	302	87	13	5796
1941-1942	0	1	60	275	679	921	1250	1088	729	307	197	36	5543
1942-1943	2	11	191	336	695	1299	1338	982	954	464	242	29	6543
1943-1944	0	4	166	379	883	1185	1057	1041	952	540	132	19	6358
1944-1945	0	15	60	321	666	1318	1395	989	484	393	300	75	6016
1945-1946	4	3	118	373	772	1363	1163	934	428	318	216	47	5739
1946-1947	1	21	83	211	684	971	1140	1212	1001	454	254	51	6083
1947-1948	12	0	119	164	962	1104	1440	1122	871	314	192	10	6310
1948-1949	0	4	48	397	690	1104	1218	1128	869	463	115	4	6040
1949-1950	0	3	177	284	647	988	1125	1049	955	630	111	30	5999
1950-1951	3	20	92	252	894	1400	1149	1058	924	562	105	29	6488
1951-1952	4	4	118	317	932	1220	1173	908	930	384	181	9	6180
1952-1953	0	6	78	474	654	1021	1146	863	774	517	177	2	5712
1953-1954	0	0	57	231	643	1032	1191	730	865	296	245	31	5321
1954	0	1	40	354	676	1042	-	-	-	-	-	-	M
MEAN	2	9	94	343	756	1150	1262	1069	811	442	171	29	6138

### REFERENCE NOTES

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation and snowfall in inches;

Degree days are based on a daily average of 65 F. Sleet and hail were included in snowfall totals, beginning with January 1901

M or - No record.

Below-zero temperatures are preceded by a minus sign.

T Trace, an amount too small to measure.

Record seen values at the end of the Average Temperature and Total Precipitation tables are long-term means based on the period of record beginning in 1901. Values have not been corrected for changes in instrument location listed in the Station Location Table.

## AVERAGE TEMPERATURE

Year	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	An'l
1901	26.7	17.2	36.2	48.9	61.0	73.3	80.2	73.5	64.1	55.4	35.9	22.4	49.6
1902	23.1	17.3	39.6	49.1	64.8	65.9	73.6	69.6	59.8	54.2	45.0	23.4	48.8
1903	23.4	22.8	42.9	51.1	63.5	64.7	74.9	71.4	63.5	52.9	35.6	21.2	49.0
1904	15.9	18.6	36.6	45.5	61.6	68.2	71.8	69.4	65.8	53.0	40.6	26.0	47.8
1905	16.4	15.8	44.2	51.3	62.3	72.4	72.1	75.9	68.1	52.6	39.7	29.0	50.0
1906	28.4	26.7	29.6	54.6	64.4	70.7	73.6	76.6	70.8	52.7	37.6	29.5	51.3
1907	26.2	28.6	45.4	45.3	57.0	68.7	76.1	73.8	65.9	52.4	39.5	32.4	50.9
1908	27.7	27.3	42.8	53.1	63.5	70.2	75.2	73.3	69.0	53.8	42.6	30.2	52.4
1909	25.5	31.8	37.5	49.3	60.5	73.1	73.9	79.6	65.1	50.9	48.7	19.0	51.2
1910	23.7	23.8	51.5	54.0	57.6	70.7	76.6	73.9	65.2	58.3	35.3	26.2	51.4
1911	26.6	31.5	41.7	48.5	68.7	77.7	76.2	73.1	68.2	51.0	33.0	33.2	52.5
1912	10.8	20.8	28.6	51.9	64.6	68.6	75.3	71.4	66.6	55.9	42.0	33.2	49.2
1913	27.2	24.3	35.1	52.4	61.7	72.6	78.7	78.7	66.9	52.5	47.5	35.7	52.8
1914	32.1	20.3	37.9	52.0	64.3	74.4	79.1	75.8	65.7	57.2	44.3	20.7	52.0
1915	20.2	34.5	33.9	58.6	59.0	67.7	71.6	67.3	66.7	55.3	43.9	27.1	50.5
1916	25.7	24.6	38.7	50.5	62.1	65.4	80.8	76.1	63.6	53.5	41.7	24.6	50.6
1917	24.0	20.6	39.3	46.8	56.4	63.3	74.3	70.5	63.9	44.4	19.9	M	M
1918	10.4	28.2	46.0	46.8	66.5	71.8	73.8	78.4	59.8	57.6	42.4	36.3	51.5
1919	28.4	31.2	44.1	52.7	58.9	65.5	79.1	73.0	69.3	55.7	37.6	20.4	51.9
1920	20.1	28.2	41.3	45.2	61.0	72.7	73.6	72.5	69.2	60.3	38.3	30.6	51.1
1921	31.6	34.7	48.0	53.7	64.9	75.7	79.3	73.3	69.3	55.4	38.3	31.4	54.6
1922	23.1	29.7	40.5	52.2	65.3	73.3	73.7	74.3	68.9	58.1	43.5	28.8	52.6
1923	30.9	23.4	33.8	50.5	60.8	72.3	77.0	72.6	65.7	49.5	41.6	37.6	51.3
1924	18.2	27.9	34.1	53.9	56.2	68.1	71.1	73.2	60.0	59.9	41.7	20.8	48.9
1925	22.9	32.6	42.3	58.1	58.1	72.8	75.3	73.9	70.8	43.0	37.2	23.3	50.9
1926	26.4	32.7	32.3	44.8	64.3	67.1	75.5	74.7	65.3	53.2	35.8	26.2	49.9
1927	23.6	35.4	42.8	51.3	59.3	67.1	73.8	68.1	70.1	57.7	42.6	25.4	51.4
1928	27.0	32.3	40.4	47.4	63.2	66.3	75.5	74.1	61.6	56.8	41.0	31.7	51.4
1929	16.4	20.1	44.1	52.7	59.2	68.4	74.5	71.4	64.6	52.8	35.3	27.8	48.9
1930	15.3	37.4	39.0	53.9	62.7	69.6	77.6	74.9	68.1	51.3	41.4	28.7	51.7
1931	31.8	36.5	35.3	50.9	57.6	74.3	78.6	72.1	71.3	58.0	47.5	36.2	54.2
1932	31.2	34.5	30.4	50.6	64.0	73.1	76.2	73.4	64.4	52.8	35.6	26.9	51.1
1933	36.2	26.3	39.6	50.7	62.2	78.8	76.6	72.0	72.3	52.7	40.3	31.4	53.3
1934	31.9	25.0	35.3	52.2	68.3	79.0	80.6	74.2	63.5	57.4	45.2	25.3	53.2
1935	25.2	31.4	43.8	47.7	55.7	67.7	79.5	74.8	65.8	54.4	37.9	22.7	50.6
1936	15.6	13.6	42.5	48.8	67.4	72.5	84.2	80.2	69.4	54.1	38.5	33.1	51.7
1937	21.9	25.8	36.3	50.0	63.2	70.6	75.9	77.3	65.9	52.3	36.9	25.5	50.1
1938	24.8	35.2	47.6	51.9	60.3	68.4	76.3	76.3	67.7	60.0	42.6	28.8	53.3
1939	31.7	27.0	46.0	48.9	63.8	66.0	72.6	75.8	72.0	70.3	56.3	41.3	53.0
1940	11.7	27.5	34.5	49.7	59.5	72.9	77.2	72.6	66.6	58.9	37.6	32.1	50.1
1941	27.8	25.5	35.2	56.0	66.6	72.3	75.4	75.8	68.7	56.9	42.7	35.6	53.2
1942	24.9	26.4	41.7	55.7	68.7	72.1	75.1	73.1	63.8	54.7	42.0	23.3	51.1
1943	22.1	30.2	34.5	49.8	58.8	72.6	75.9	74.8	61.6	53.1	35.8	27.1	49.7
1944	31.2	29.4	34.5	47.3	66.0	74.2	74.1	73.8	66.5	55.2	43.1	22.7	51.5
1945	20.3	29.9	49.7	52.4	56.5	66.9	73.4	74.4	65.6	53.1	39.6	21.4	50.3
1946	27.7	31.8	51.4	55.1	58.9	71.2	75.6	68.9	65.4	59.2	42.5	33.9	53.5
1947	28.4	21.9	33.0	50.2	57.3	67.6	72.0	80.4	67.1	61.4	33.3	29.7	50.2
1948	18.8	26.6	37.1	55.6	59.8	70.0	74.4	73.7	68.2	52.5	42.3	29.7	50.7
1949	24.5	25.0	37.2	49.9	64.0	74.0	77.7	73.2	60.1	57.2	41.6	32.3	51.4
1950	29.0	26.5	34.4	44.3	62.5	69.5	70.0	68.2	64.0	59.3	34.3	19.5	48.5
1951	23.3	27.0	33.8	48.4	64.3	68.3	73.1	71.4	62.4	55.6	33.7	25.4	48.9
1952	26.9	33.4	34.8	52.8	60.9	75.6	75.7	71.9	65.5	49.8	43.0	31.7	51.8
1953	27.8	33.9	39.8	47.5	61.7	74.4	76.3	75.1	67.4	58.8	43.3	32.0	53.2
1954	26.1	38.7	36.9	55.8	57.7	75.3	77.8	73.9	69.0	55.0	42.3	31.2	53.3
MEAN	24.4	27.4	39.1	50.8	61.8	71.1	75.7	73.7	66.2	54.7	40.2	28.0	51.1

## TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Annual
1901	1.24	1.19	2.00	1.13	1.28	4.96	5.44	0.37	3.00	1.03	0.87	0.78	23.29
1902	0.30	0.99	3.03	3.13	3.65	13.97	7.51	8.80	3.48	3.39	2.28	2.56	53.09
1903	0.63	1.66	2.11	6.58	3.63	2.27	1.92	6.32	6.57	2.35	0.72	0.66	35.42
1904	2.85	0.80	3.62	2.51	4.61	2.86	8.66	5.63	4.29	0.36	0.22	1.67	38.08
1905	0.83	2.04	1.77	4.98	3.64	3.87	2.89	2.04	1.19	1.56	2.16	1.40	28.37
1906	3.29	2.12	3.77	2.28	3.11	4.14	2.73	1.98	8.98	2.30	2.67	1.76	39.13
1907	4.72	0.27	2.02	3.19	2.79	2.72	7.32	5.27	1.76	0.74	1.46	1.49	33.75
1908	1.27	3.33	3.08	2.41	11.29	5.21	5.12	3.98	1.56	1.40	3.08	0.87	42.60
1909	1.54	3.06	2.02	3.92	3.34	3.99	5.06	0.38	3.68	3.77	5.98	3.88	40.62
1910	1.92	1.51	0.73	2.91	4.66	1.97	2.62	0.37	2.80	0.86	0.48	1.13	21.96
1911	2.53	3.51	2.25	4.12	1.53	2.05	4.12	1.70	20.03	2.38	3.00	1.90	49.12
1912	0.60	1.61	1.80	3.98	2.77	1.80	3.94	1.10	2.70	5.47	1.98	0.77	28.52
1913	1.66	2.00	3.91	2.91	6.07	2.49	0.05	1.31	1.89	3.21	2.06	1.04	28.60
1914	1.18	1.10	1.74	2.20	1.86	1.58	0.87	1.45	6.48	2.40	0.92	2.16	23.94
1915	2.65	2.25	0.89	1.69	5.69	4.00	9.58	1.27	5.81	0.52	3.07	M	M
1916	5.42	0.34	3.16	2.15	7.01	4.18	2.02	1.62	4.52	3.41	1.54	1.42	36.79
1917	0.49	0.14	2.44	5.53	3.32	6.81	4.57	0.89	3.40	2.14	0.02	0.64	30.39
1918	1.78	1.37	0.38	3.31	6.41	5.80	4.80	3.80	2.13	3.22	2.45	2.49	37.94
1919	0.04	2.28	2.11	2.27	4.22	6.48	2.08	2.83	4.49	3.19	2.93	0.28	33.20
1920	0.45	0.15	4.36	6.23	3.27	2.13	3.33	1.06	1.07	2.47	1.22	0.92	26.66
1921	1.21	0.33	4.99	4.90	1.66	6.19	2.43	4.58	6.32	2.38	1.40	2.71	39.10
1922	0.93	1.98	3.79	2.88	5.90	1.22	4.79	0.67	2.79	0.69	4.27	0.60	30.51
1923	0.94	1.05	4.23	1.19	3.21	2.94	1.18	4.73	4.88	1.67	1.46	2.35	29.83
1924	1.56	1.93	2.35	1.29	2.28	12.02	4.34	6.47	1.93	1.46	0.91	2.13	38.67
1925	0.63	1.52	1.09	3.32	1.25	4.87	3.63	2.91	5.54	3.15	1.82	1.66	31.39
1926	0.87	1.75	1.74	2.23	2.30	8.04	2.70	5.98	9.45	2.60	4.00	0.98	42.64
1927	1.11	2.41	3.51	3.99	5.20	4.64	2.69	1.53	2.93	7.02	3.48	1.92	40.43
1928	1.08	1.43	1.43	3.39	1.35	6.48	3.17	3.65	2.93	3.80	5.18	1.71	35.60
1929	4.23	0.88	4.69	6.52	2.70	6.99	11.66	2.46	3.24	3.77	1.88	0.90	49.92
1930	2.64	1.66	1.00	1.97	2.21	4.26	1.20	1.74	2.83	2.40	2.55	0.54	25.00
1931	0.37	0.63	2.57	2.72	5.26	3.31	2.23	4.67	6.29	2.78	3.84	2.63	37.30
1932	1.33	1.73	2.48	1.00	3.17	7.09	6.87	7.43	3.44	3.67	1.84	3.31	43.36
1933	2.88	0.94	2.80	2.44	8.38	3.34	1.56	2.42	3.38	1.84	0.33	1.54	31.85
1934	0.82	0.59	1.57	2.46	1.22	4.01	4.04	1.67	8.70	1.24	7.36	1.04	34.72
1935	1.97	2.07.	3.52	2.12	6.43	8.21	2.81	4.59	3.35	1.54	5.50	1.31	43.42
1936	1.53	2.04	0.89	1.87	1.90	1.03	1.24	3.89	8.93	2.98	0.61	2.84	29.75
1937	3.76	1.22	1.49	4.03	3.32	3.24	3.27	2.85	1.30	2.13	1.36	1.36	29.33
1938	4.04	2.24	5.08	3.73	5.89	5.82	6.60	3.33	2.83	1.21	2.85	1.10	44.72
1939	1.56	1.75	4.24	3.63	2.97	6.03	3.07	5.01	0.39	2.15	0.94	0.37	32.11
1940	2.40	0.92	2.37	3.79	1.81	2.59	1.97	3.44	0.14	2.21	1.71	1.34	24.69
1941	3.08	0.72	0.75	1.90	6.76	6.57	2.46	2.01	6.35	14.75	1.52	1.54	48.41
1942	1.05	2.59	2.14	1.74	5.26	7.13	4.84	1.27	2.44	0.96	3.57	3.29	36.28
1943	2.14	1.04	1.83	4.22	5.10	6.99	4.08	5.19	0.93	2.72	2.07	0.39	36.70
1944	0.41	3.17	5.07	5.93	5.40	3.90	1.60	2.51	3.04	2.35	2.66	1.22	37.26
1945	0.88	1.01	5.51	4.45	7.02	4.66	1.92	1.27	6.23	0.67	1.77	1.68	37.07
1946	2.32	0.49	3.28	1.28	5.36	9.50	1.00	4.68	3.34	2.37	2.92	2.08	38.62
1947	2.08	3.34	2.24	6.83	4.17	10.16	1.91	1.27	5.58	2.02	2.71	2.29	41.60
1948	1.98	1.55	4.43	1.66	1.58	3.96	7.12	1.08	4.29	1.31	3.08	2.33	34.37
1949	4.36	2.01	2.82	1.60	1.42	5.76	2.83	2.41	2.10	1.71	0.54	2.59	30.15
1950	3.27	2.41	0.81	8.24	1.76	9.14	6.59	3.12	1.88	0.75	0.78	0.62	39.37
1951	0.82	2.33	3.94	3.31	4.21	4.01	5.53	3.32	2.60	4.09	2.51	1.41	38.08
1952	1.45	1.11	4.74	2.35	4.89	5.04	2.26	7.47	1.41	0.70	2.62	1.54	35.58
1953	1.58	3.08	3.13	2.69	2.22	4.57	1.89	0.68	1.72	2.26	0.79	2.60	27.21
1954	1.42	1.98	4.27	5.78	4.48	5.04	1.78	6.23	2.01	4.30	1.86	2.16	40.31
MEAN	1.82	1.56	2.71	3.27	3.92	5.04	3.78	3.07	4.03	2.52	2.26	1.61	35.59

# MEANS AND EXTREMES

Month	Temperature										Precipitation										Mean Number of Days										
	Normal Daily Maximum	Normal Daily Minimum	Normal Monthly	Record High	Year	Record Low	Year	Normal Degree Days	Normal Total	Maximum Monthly	Year	Minimum Monthly	Year	Maximum in 24 Hours	Year	Snow, Sleet Hail		Temperature				Precipitation 0.1 or more	Precipitation .25 or more	Precipitation .50 or more	Thunder	Fog	High Winds	Gale	Month		
																Mean Total	Maximum Monthly	Year	Maximum		Minimum										
																			90° and above	32° and below										32° and below	0° and below
<A>	b	b	b	53		53		(b)	(b)	53		53		53		53	53	53	53	53	53	53	53	47	49	46	41	30	29	(A)	
J	33.0	15.7	24.4	73	1906	-22	1924x	1262	1.82	5.42	1916	0.04	1919	2.30	1938	6.9	21.1	1930	0	14	29	1	8	2	2	2	2	2	2	J	
F	36.2	18.5	27.4	73	1921	-27	1905	1069	1.56	3.51	1911	0.14	1917	1.52	1953	6.0	18.0	1944	0	10	25	1	7	2	2	2	2	2	2	F	
M	49.1	29.0	39.1	88	1910s	-9	1913	811	2.71	5.51	1945	0.38	1918	2.65	1948	4.6	18.0	1912	0	3	20	2	10	4	4	4	4	4	4	M	
A	62.1	39.4	50.8	93	1930	13	1920	442	3.27	8.24	1950	1.00	1932	3.11	1950	1.4	9.0	1912	*	*	8	0	10	4	4	4	4	4	4	A	
M	73.4	50.1	61.8	102	1934	26	1903	171	3.92	11.21	1908	1.22	1934	2.76	1941	1	0.3	1944	1	0	0	0	12	5	5	5	5	5	5	M	
J	82.5	59.7	71.1	104	1934	33	1903	29	5.04	13.97	1902	1.03	1936	5.76	1946	T	0	x	7	0	0	0	10	6	6	6	6	6	6	J	
J	87.8	63.6	75.7	110	1936	45	1947x	2	3.78	11.66	1929	0.05	1913	6.53	1929	0	T	x	12	0	0	0	8	4	4	4	4	4	4	J	
A	85.7	61.6	73.7	105	1936x	38	1915	9	3.07	8.80	1902	0.37	1901x	3.03	1903	0	T	x	9	0	0	0	8	3	3	3	3	3	3	A	
S	78.1	54.2	66.2	103	1913	26	1942	94	4.03	20.03	1911	0.14	1940	4.48	1911	0	1.1	1942	4	0	0	0	8	4	4	4	4	4	4	S	
O	66.4	43.0	54.7	92	1953x	7	1925	343	2.52	14.75	1941	0.36	1904	4.14	1927	0.1	3.2	1929	0	0	5	0	8	3	3	3	3	3	3	O	
N	49.7	30.6	40.2	82	1933	-3	1950	756	2.26	7.36	1934	0.02	1917	2.40	1928	1.6	11.1	1926	0	2	17	0	7	3	3	3	3	3	3	N	
D	36.1	19.9	28.0	68	1951s	-22	1924	1150	1.61	3.88	1909	0.28	1919	1.91	1909	5.4	16.5	1914	0	11	27	1	7	2	2	2	2	2	2	D	
Year	61.7	40.4	51.1	110	July 1936	-27	Feb. 1905	6138	15.59	20.03	Sept. 1911	0.02	Nov. 1917	6.53	July 1929	26.0	21.1	Jan. 1930	33+	40+	131+	3+	103	42	5+	27+	1+	10+	13+	4+	Year

(A) Length of Record in years (b) Normal values are based on period 1901-1953. x Occurred in more than one year. \* Occurs during occasional years.

## MONTHLY AND SEASONAL DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1900-1901	-	-	-	-	-	-	1195	1345	901	500	167	30	M
1901-1902	0	1	124	315	881	1327	1304	1338	794	492	103	79	6758
1902-1903	8	22	177	346	586	1298	1298	1190	694	428	128	73	6248
1903-1904	0	14	113	389	891	1368	1529	1356	887	593	145	15	7300
1904-1905	5	11	73	395	739	1216	1514	1385	652	421	135	8	6554
1905-1906	11	0	34	412	769	1121	1144	1080	1108	324	145	18	6166
1906-1907	2	4	30	393	832	1107	1212	1029	632	600	287	33	6161
1907-1908	0	4	108	404	776	1020	1165	1104	698	371	162	34	5846
1908-1909	1	8	67	377	680	1090	1232	936	861	480	180	4	5916
1909-1910	12	2	108	450	493	1433	1286	1157	441	359	248	54	6043
1910-1911	0	7	34	259	897	1211	1199	944	732	505	91	0	5879
1911-1912	4	6	42	448	969	895	1690	1289	1138	401	100	40	7022
1912-1913	1	29	151	272	695	973	1180	1148	934	393	157	48	5981
1913-1914	0	0	116	423	498	884	997	1258	848	418	132	11	5585
1914-1915	0	0	69	262	628	1382	1396	860	970	236	224	33	6060
1915-1916	9	56	74	310	647	1146	1184	1180	822	445	162	60	6095
1916-1917	0	9	159	379	706	1221	1280	1247	803	556	310	56	6726
1917-1918	6	7	96	647	370	1405	1703	1039	598	556	88	10	M
1918-1919	0	1	183	232	688	899	1142	955	721	385	236	4	5447
1919-1920	0	2	35	344	832	1394	1402	1076	738	599	174	18	6614
1920-1921	0	13	42	205	813	1075	1043	858	544	353	152	15	5113
1921-1922	0	7	36	311	811	1051	1306	994	769	395	60	17	5757
1922-1923	0	7	68	275	653	1130	1063	1173	977	445	176	30	5997
1923-1924	0	15	81	487	709	859	1457	1086	967	355	287	47	6350
1924-1925	13	6	172	192	711	1379	1313	916	713	238	275	9	5937
1925-1926	6	4	43	692	841	1302	1204	912	1020	618	122	42	6806
1926-1927	4	0	117	394	886	1212	1293	836	698	422	213	51	6126
1927-1928	1	29	105	256	681	1233	1184	957	769	534	107	56	5912

Season	July	Aug.	Sept	Oct	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1928-1929	2	6	183	307	729	1039	1517	1261	651	407	252	47	6401
1929-1930	1	12	120	386	898	1159	1550	780	815	365	157	30	6273
1930-1931	0	0	64	458	716	1134	1055	808	927	434	271	35	5906
1931-1932	0	4	51	257	535	902	1053	892	1082	439	99	0	5314
1932-1933	1	2	88	394	890	1189	900	1191	795	441	143	11	5945
1933-1934	0	4	30	395	755	1050	1034	1127	927	394	56	0	5770
1934-1935	0	25	118	246	600	1238	1243	947	666	526	308	63	5980
1935-1936	0	26	95	347	823	1319	1540	1500	707	511	53	14	6935
1936-1937	0	0	74	352	804	997	1346	1105	898	464	134	25	6199
1937-1938	0	0	111	423	852	1232	1256	843	552	409	197	19	5894
1938-1939	0	0	75	211	688	1131	1043	1071	754	517	103	22	5615
1939-1940	3	0	56	323	722	962	1661	1098	956	470	199	5	6455
1940-1941	1	21	93	210	833	1029	1162	1112	933	302	87	13	5796
1941-1942	0	1	60	275	679	921	1250	1088	729	307	197	36	5543
1942-1943	2	11	191	336	695	1299	1338	982	954	464	242	29	6543
1943-1944	0	4	166	379	883	1185	1057	1041	952	540	132	19	6358
1944-1945	0	15	60	321	666	1318	1395	989	484	393	300	75	6016
1945-1946	4	3	118	373	772	1363	1163	934	428	318	216	47	5739
1946-1947	1	21	83	211	684	971	1140	1122	1001	454	254	51	6083
1947-1948	12	0	119	164	962	1104	1440	1122	871	314	192	10	6310
1948-1949	0	4	48	397	690	1104	1218	1128	869	463	115	4	6040
1949-1950	0	3	177	284	647	988	1125	1049	955	630	111	30	5999
1950-1951	3	20	92	252	894	1400	1149	1058	924	562	105	29	6488
1951-1952	4	4	118	317	932	1220	1173	900	384	181	9	6180	
1952-1953	0	6	78	474	654	1021	1146	863	730	517	177	2	5712
1953-1954	0	0	57	231	643	1032	1191	730	865	296	245	31	5321
1954	0	1	40	354	676	1042	-	-	-	-	-	-	M
MEAN	2	9	94	343	756	1150	1262	1069	811	442	171	29	6138

### REFERENCE NOTES

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation and snowfall in inches;

Degree days are based on a daily average of 65 F. Sleet and hail were included in snowfall totals, beginning with January 1901

M or - No record.

Below-zero temperature are preceded by a minus sign.

T Trace, an amount too small to Measure.

Record mean values at the end of the Average Temperature and Total Precipitation tables are long-term means based on the period of record beginning in 1901. Values have not been corrected for changes in instrument location listed in the Station Location Table.